

Notice of Allowability

Application No.

10/796,034

Examiner

Binh V. Ho

Applicant(s)

ITO, TORU

Art Unit

2163

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 03/13/2007.
2. ☒ The allowed claim(s) is/are 1-15.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


DON WONG
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

Examiner's Amendment

1. An examiner's amendment to the record appears below. Should the changes and /or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.3.12. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. The following claim has been amended upon agreement by applicant during a telephone conversation with Ms. Linda Saltiel and Mr. Daniel Schneider on 03/30/2007.

Amendments to claims 1-3, and 8-13:

Claim 1 (Currently Amended):

A method of creating a table for searching for and creating an m-dimensional and n-order table in which on the basis of m (m is a natural number of 4 or larger) reference axes, a symbol $A = \{a_1, a_2, \dots, a_n\}$ of n (n is a natural number of 2 or larger) elements different from each other appears once in an axial direction of each of the m reference axes, the method of creating a table comprising: a first step of setting the dimension number m and the order n, and determining and setting a permutation of the symbol A of the n elements and a selecting sequence in accordance with the permutation; a second step of, when one of the n elements is set as an array element at each position of the table, starting this setting from a first position of all the reference axes and successively performing said setting to a final position of all the reference axes, and selecting the symbol in the selecting sequence at each position so that said selected symbol does not coincide with the symbol of the already determined array element at a

line of former positions in each axial direction; a third step of, when the symbol is selected in the selecting sequence at each position of the table so that said selected symbol does not become coincident with the already determined array element at the line of the former positions in each axial direction, and when no symbol remains which can be selected at an arbitrary position, continuing selection and determination by replacing the symbol of the already determined array element at a position one before the arbitrary position by a selectable symbol lower in the selecting sequence than the symbol; and a fourth step of outputting to a user the table created by the first, second and third steps.

Claims 2-3, and 8-13 has been amended to read as indicated above by adding the phrase underlined.

3. The Examiner's amendment has been made in order to place the application in a condition for allowance.

Reasons for Allowance

4. The following is an examiner's statement of reason for allowance:

Claims 1-3, and 8-13 are considered allowable since the prior made of record and considered pertinent to the applicant's disclosure does not teach or suggest the claimed limitations. Ito (JP 2000285101) teaches a method of creating a table for searching for and creating an m-dimensional and n-order table in which on the basis of m (*m* is a natural number of 3), but Ito do not teach a method of creating a table for searching for and creating an m-dimensional and n-order table in which on the basis of m (*m is a natural number of 4 or larger*) reference axes, a symbol $A = \{a_1, a_2, \dots, a_n\}$

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of n (n is a natural number of 2 or larger) elements different from each other appears once in an axial direction of each of the m reference axes, the method of creating a table.

Therefore, claims 1-15 *are* presently allowed.

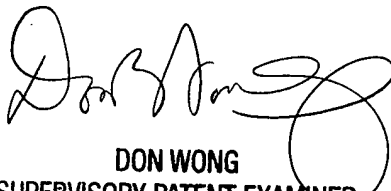
5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Inquiry

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Binh V. Ho whose telephone number is 571 272 8583. The examiner can normally be reached on M-F from 8:00AM - 4:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don K. Wong can be reached on 571 272 1834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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